IN THE CLAIMS

Please cancel pending claims 10-67 and add new claims 68-119 as follows:

68. (New) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:2.

69. (New) An isolated polynucleotide according to claim 68, wherein the sequence comprises at least 32 consecutive residues of SEQ ID NO:2 .

70. (New) An isolated polynucleotide according to claim 68, wherein the sequence comprises at least 64 consecutive residues of SEQ ID NO:2.

71. (New) An isolated polynucleotide according to claim 68, wherein the sequence is selected from the group consisting of residues 30-46, 56-152, 153-251, 252-344, 345-440, 441-535, 536-635, 636-753, 754-854, 915-938, 1037-1046, 1098-1119, 1262-1269 of SEQ ID NO:2.

72. (New) An isolated polynucleotide according to claim 68, wherein the sequence is SEQ ID NO:2.

73. (New) A cell comprising a polynucleotide according to claim 68.

74. (New) A method for making a Robo polypeptide, comprising the steps of: incubating a host cell or cellular extract containing a polynucleotide according to claim 68 under conditions whereby the polypeptide is expressed and recovering the polypeptide.

75. (New) An isolated polynucleotide comprising at least 24 consecutive nucleotides of SEQ ID NO:1 .

76. (New) An isolated polynucleotide according to claim 75, comprising at least 36 consecutive

nucleotides of SEQ ID NO:1.

77. (New) An isolated polynucleotide according to claim 75, comprising at least 96 consecutive nucleotides of SEQ ID NO:1.

78. (New) An isolated polynucleotide according to claim 75, comprising SEQ ID NO:1.

79. (New) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:4.

80. (New) An isolated polynucleotide according to claim 79, wherein the sequence comprises residues 4-99, 100-192, 193-296, 297-396, 397-494, 495-595, 596-770, 771-877, 906-929, and 1075-1084 of SEQ ID NO:4.

81. (New) An isolated polynucleotide according to claim 79, wherein the sequence comprises residues 1-942 of SEQ ID NO:4.

82. (New) An isolated polynucleotide according to claim 79, wherein the sequence comprises SEQ ID NO:4.

83. (New) A cell comprising a polynucleotide according to claim 79.

84. (New) A method for making a Robo polypeptide, comprising the steps of: incubating a host cell or cellular extract containing a polynucleotide according to claim 79 under conditions whereby the polypeptide is expressed and recovering the polypeptide.

85. (New) An isolated polynucleotide comprising at least 36 consecutive nucleotides of SEQ ID NO:3.

86. (New) An isolated polynucleotide according to claim 85, comprising at least 96 consecutive nucleotides of SEQ ID NO:3.

87. (New) An isolated polynucleotide according to claim 85, comprising SEQ ID NO:3.

88. (New) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:6.

89. (New) An isolated polynucleotide according to claim 88, wherein the sequence comprises at least 32 consecutive residues of SEQ ID NO: 6.

90. (New) An isolated polynucleotide according to claim 88, wherein the sequence comprises at least 64 consecutive residues of SEQ ID NO: 6.

91. (New) An isolated polynucleotide according to claim 88, wherein the sequence is selected from the group consisting of residues 30-129, 130-223, 224-315, 316-453, 454-543, 544-643, 644-766, 767-865, 900-922, 1036-1045, 1153-1163, and 1065-1074 of SEQ ID NO:6.

92. (New) An isolated polynucleotide according to claim 88, wherein the sequence is residues 1-937 of SEQ ID NO:6.

93. (New) An isolated polynucleotide according to claim 88, wherein the sequence is SEQ ID NO:6.

94. (New) A cell comprising a polynucleotide according to claim 88.

95. (New) A method for making a Robo polypeptide, comprising the steps of: incubating a host cell or cellular extract containing a polynucleotide according to claim 88 under conditions whereby the polypeptide is expressed and recovering the polypeptide.

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96. (New) An isolated polynucleotide comprising at least 24 consecutive nucleotides of SEQ ID NO:5.

97. (New) An isolated polynucleotide according to claim 96, comprising at least 36 consecutive nucleotides of SEQ ID NO:5.

98. (New) An isolated polynucleotide according to claim 96, comprising at least 96 consecutive nucleotides of SEQ ID NO:5.

99. (New) An isolated polynucleotide according to claim 96, comprising SEQ ID NO:5.

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100. (New) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence selected from the group consisting of residues 1-12, 18-28, 31-40, 45-65, 106-116, 137-145, 214-230, 274-286, 314-324, 399-412, 496-507, 548-565, 599-611, 660-671, 717-730, 780-791, 835-847, 877-891, 930-942, 981-998, 1040-1051, 1080-1090, 1154-1168, 1215-1231, and 1278-1302 of SEQ ID NO:8, or the group consisting of residues 6-21, 68-167, 168-258, 259-350, 351-450, 451-546, 547-644, 645-761, 762-862, 896-917, 1070-1079 and 1081-1095 of SEQ ID NO:8.

101. (New) An isolated polynucleotide according to claim 100, wherein the sequence is selected from the group consisting of residues 1-12, 18-28, 31-40, 45-65, 106-116, 137-145, 214-230, 274-286, 314-324, 399-412, 496-507, 548-565, 599-611, 660-671, 717-730, 780-791, 835-847, 877-891, 930-942, 981-998, 1040-1051, 1080-1090, 1154-1168, 1215-1231, and 1278-1302 of SEQ ID NO:8.

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102. (New) An isolated polynucleotide according to claim 100, wherein the sequence is selected from the group consisting of residues 6-21, 68-167, 168-258, 259-350, 351-450, 451-546, 547-644, 645-761, 762-862, 896-917, 1070-1079, and1081-1095 of SEQ ID NO:8.

103. (New) An isolated polynucleotide according to claim 100, wherein the sequence is selected from the group consisting of residues 1-67, 68-167, 168-259, 260-350 and 351-451 of SEQ ID NO:8.

104. (New) An isolated polynucleotide according to claim 100, wherein the sequence is selected from the group consisting of residues 1-167, 68-259, 1-67 joined to 168-259; and 1-67 joined to 260-451 of SEQ ID NO:8.

105. (New) An isolated polynucleotide according to claim 100, wherein the sequence comprises SEQ ID NO:8.

106. (New) A cell comprising a polynucleotide according to claim 100.

107. (New) A method for making a Robo polypeptide, comprising the steps of: incubating a host cell or cellular extract containing a polynucleotide according to claim 100 under conditions whereby the polypeptide is expressed and recovering the polypeptide.

108. (New) An isolated polynucleotide comprising a sequence selected from the group consisting of nucleotides 134-501, 502-776, 777-1049, 1051-1350, 1351-1636, 1637-1933, 1934-2284, 2285-2589, 2666-2765, 3169-3268, and 3514-3613 of SEQ ID NO:7; or the group consisting of nucleotides 199-228, 777-806, 1051-1080, 1352-1381, 1637-1666, 1934-1963, 2285-2313, 2643-2672, 3172-3200, and 3491-3520 of SEQ ID NO:7; or the group consisting of a reverse complement of a sequence selected from nucleotides 471-500, 751-777, 1021-1050, 1321-1350, 1607-1636, 1902-1931, 2257-2286, 2561-2591, 2761-2790, 3281-3310 and 3601-3630 of SEQ ID NO:7.

109. (New) An isolated polynucleotide according to claim 108, wherein the sequence is selected from the group consisting of nucleotides 134-501, 502-776, 777-1049, 1051-1350, 1351-1636, 1637-1933, 1934-2284, 2285-2589, 2666-2765, 3169-3268, and 3514-3613 of SEQ ID NO:7.

110. (New) An isolated polynucleotide according to claim 108, wherein the sequence is selected from the group consisting of nucleotides 199-228, 777-806, 1051-1080, 1352-1381, 1637-1666, 1934-1963, 2285-2313, 2643-2672, 3172-3200, and 3491-3520 of SEQ ID NO:7; or the group consisting of a reverse complement of a sequence selected from nucleotides 471-500, 751-777, 1021-1050, 1321-1350, 1607-1636, 1902-1931, 2257-2286, 2561-2591, 2761-2790, 3281-3310 and 3601-3630 of SEQ ID NO:7.

111. (New) An isolated polynucleotide according to claim 108, comprising SEQ ID NO:7.

112. (New) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence selected from the group consisting of residues 5-16, 38-47, 83-94, 112-125, 168-180, 195-209, 222-235; and 241-254 of SEQ ID NO:10.

113. (New) An isolated polynucleotide according to claim 112, wherein the sequence is selected from the group consisting of residues 1-91, 82-185, and 186-282 of SEQ ID NO:10.

114. (New) An isolated polynucleotide according to claim 112, wherein the sequence comprises residues 1-284 of SEQ ID NO:10.

115. (New) An isolated polynucleotide according to claim 112, wherein the sequence comprises SEQ ID NO:10.

116. (New) A cell comprising a polynucleotide according to claim 112.

117. (New) A method for making a Robo polypeptide, comprising the steps of: incubating a host cell or cellular extract containing a polynucleotide according to claim 112 under conditions whereby the polypeptide is expressed and recovering the polypeptide.

118. (New) An isolated polynucleotide comprising a sequence selected from the group